# STIC Search Report
## Biotech-Chem Library

STIC Database Tracking Number: 127299

| | |
|---|---|
| **TO: Shailendra Kumar**<br>**Location: 5d61 / 5c18**<br>**Art Unit: 1621**<br>**Thursday, July 22, 2004**<br><br>**Case Serial Number: 10/613785** | **From: Noble Jarrell**<br>**Location: Biotech-Chem Library**<br>**Rem 1B71**<br>**Phone: 272-2556**<br><br>**Noble.jarrell@uspto.gov** |

## Search Notes

Access DB# 127299

# SEARCH REQUEST FORM

**Scientific and Technical Information Center**

Requester's Full Name: S. Kumar Examiner #: 69594 Date: 7/15/04
Art Unit: 1621 Phone Number 30 272 0640 Serial Number: 10/625,785
Mail Box and Bldg/Room Location: REM 5D61 5C18 Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.** MEJ

**********

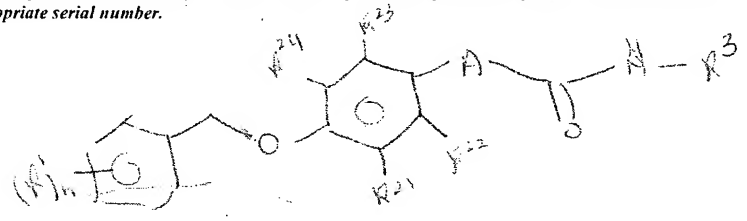
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

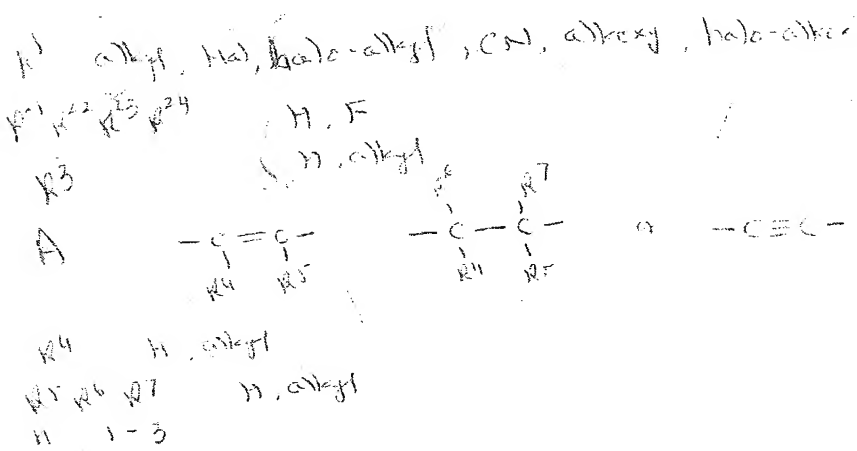
Title of Invention: 3-Phenyl-hydroxamido 3-Phenyl-acrylamido and 3-Phenyl propynamido

Inventors (please provide full names): Sylvere Jolidon et al

Earliest Priority Filing Date: 7/15/02

***For Sequence Searches Only*** *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*





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| STAFF USE ONLY | Type of Search | Vendors and cost where applicable |
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| Searcher Phone #: | AA Sequence (#) | Dialog |
| Searcher Location: | Structure (#) 2 | Questel/Orbit |
| Date Searcher Picked Up: 7/21/04 | Bibliographic | Dr.Link |
| Date Completed: 7/22/04 | Litigation | Lexis/Nexis |
| Searcher Prep & Review Time: 40 | Fulltext | Sequence Systems |
| Clerical Prep Time: | Patent Family | WWW/Internet |
| Online Time: 40 | Other | Other (specify) |

PTO-1590 (8-01)

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   21 JUL 2004  HIGHEST RN 714195-59-2
DICTIONARY FILE UPDATES:  21 JUL 2004  HIGHEST RN 714195-59-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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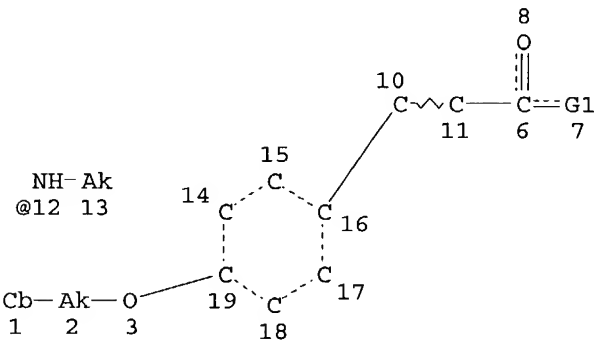


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DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E6 C  AT   1

GRAPH ATTRIBUTES:
RSPEC  16
NUMBER OF NODES IS  16

STEREO ATTRIBUTES: NONE
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L3               STR
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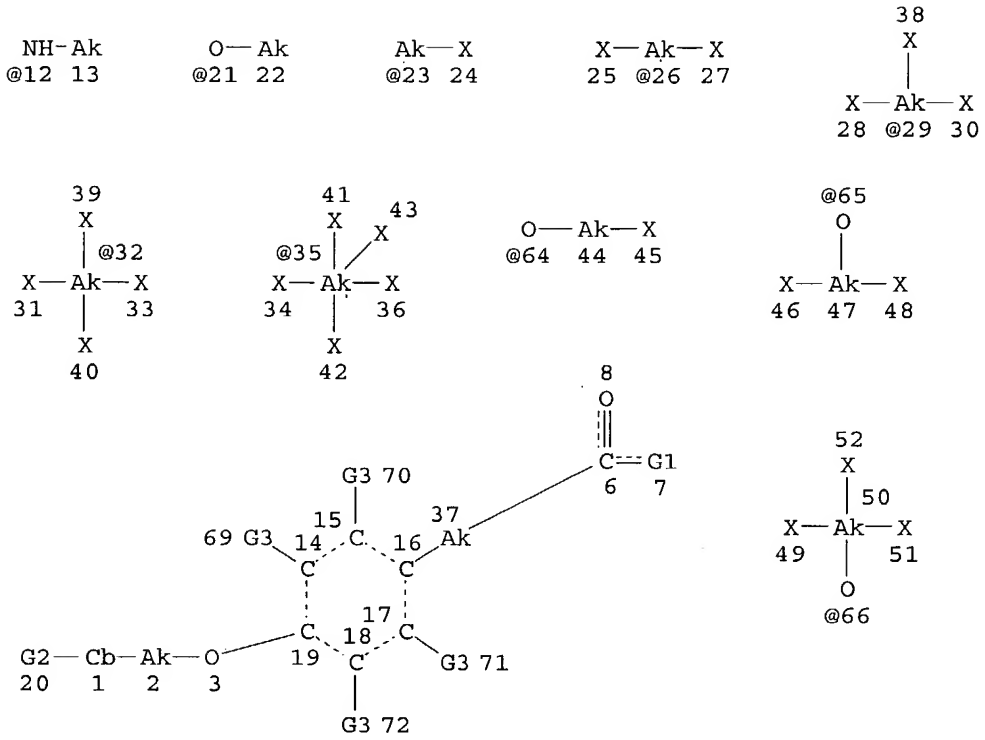


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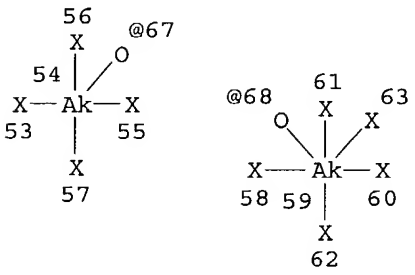


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CONNECT IS M1 RC AT 47
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GGCAT IS MCY UNS AT 1
DEFAULT ECLEVEL IS LIMITED

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GRAPH ATTRIBUTES:
RSPEC  16
NUMBER OF NODES IS  67

STEREO ATTRIBUTES: NONE
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               E RODRIGUEZ SARMIENTO R/AU
L8            15 E4-5
               E THOMAS A/AU
L9           976 E3,E45
               E THOMAS ANDREW/AU
L10           48 E3,E19-20
               E WOSTL W/AU
L11           32 E3-4
               E WYLER R/AU
L12           71 E3-5
L13        14992 (HOFFMANN (L) LA ROCHE)/CS,PA
L14            1 L6 AND L7-12
L15            1 L6 AND L13
L16            1 L14-15
L17            2 L6 NOT L16
L18            2 L17 AND (PY<=2003 OR AY<=2003 OR PRY<=2003 OR PD<20030707 OR AD

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L21            9 E4
               E THOMAS A/AU
               E THOMAS ANDREW/AU
L22           38 E3,E14-15
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L23          31 E4-5
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L24          40 E4
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L27           0 L19 AND L25

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L32       17205 (HOFFMAN OR LA ROCHE OR LAROCHE)/CS,PA
L33           1 L32 AND L6

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L34        3546 (HOFFMAN OR LA ROCHE OR LAROCHE)/CS,PA
L35           0 L19 AND L34

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L36           1 L33 OR L16

=> b hcap
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FILE COVERS 1907 - 22 Jul 2004  VOL 141 ISS 4
FILE LAST UPDATED: 21 Jul 2004  (20040721/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d bib abs fhitstr hitrn l36

L36  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:60452  HCAPLUS
DN   140:128156
TI   Preparation of cinnamide derivatives useful as selective MAO-B inhibitors
```

IN **Jolidon, Synese; Rodriguez, Sarmiento Rosa Maria; Thomas, Andrew William; Wostl, Wolfgang; Wyler, Rene**
PA F. **Hoffmann-La Roche** AG, Switz.
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2004007429 | A1 | 20040122 | WO 2003-EP7231 | 20030707 |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2004034096 | A1 | 20040219 | US 2003-613785 | 20030703 |

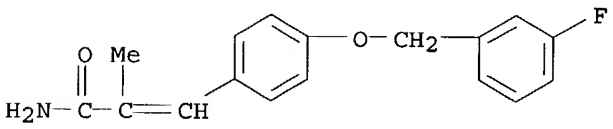
PRAI EP 2002-15583 A 20020715
OS MARPAT 140:128156
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention refers to cinnamide derivs. of formula I [wherein: R1 = alkyl, halogen, halogenoalkyl, CN, alkoxy, halogenoalkoxy; R21, R22, R23, R24 = H or F; R3 = H, alkyl; A = -C(R4):C(R5)-, -C(R4)(R6)-C(R7)(R5)-, or -C.tplbond.C-; R4, R5, R6, R7 = H, alkyl; n = 1-3] useful for treatment and prevention of diseases mediated by MAO-B inhibitors. Compds. I are especially useful for the treatment of Alzheimer's disease and senile dementia. For instance, compound II (example 1, IC50 = 0.083 .mu.mol for human MAO-B; >10,000 for human MAO-A) was prepared via etherification of 4-iodophenol by 3-fluorobenzyl bromide, Sonogashira reaction of CH2:C(Me)CO2Me with obtained compound III, subsequent hydrolysis and amidation.

IT **649740-29-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylacrylamide
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of cinnamide derivs. useful as MAO-B inhibitors)

RN 649740-29-4 HCAPLUS
CN 2-Propenamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]-2-methyl- (9CI) (CA INDEX NAME)




IT **649740-29-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylacrylamide

**649740-33-0P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2,N-dimethylacrylamide **649740-53-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]but-2-enoic acid methylamide
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of cinnamide derivs. useful as MAO-B inhibitors)

IT **649740-34-1P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylpropionamide **649740-35-2P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2,N-dimethylpropionamide **649740-36-3P**, 3-[4-(3-Fluorobenzyloxy)phenyl]propynoic acid amide **649740-40-9P**, 1-[4-(3-Fluorobenzyloxy)phenyl]propynoic acid methylamide **649740-42-1P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-N-methylacrylamide **649740-45-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]acrylamide **649740-46-5P**, N-Methyl-3-[4-(4-trifluoromethylbenzyloxy)phenyl]acrylamide **649740-49-8P**, 3-[4-(4-Fluorobenzyloxy)phenyl]-N-methylacrylamide **649740-50-1P**, 3-[4-(3-Cyanobenzyloxy)phenyl]-N-methylacrylamide **649740-51-2P**, N-Methyl-3-[4-(4-methylbenzyloxy)phenyl]acrylamide **649740-52-3P**, 3-[4-(3-Methoxybenzyloxy)phenyl]-N-methylacrylamide **649740-55-6P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-N-methylbutyramide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cinnamide derivs. useful as MAO-B inhibitors)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L18 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:609463 HCAPLUS
DN 123:313105
ED Entered STN: 14 Jun 1995
TI Solid phase synthesis of aryl ethers via the Mitsunobu reaction
AU Rano, Thomas A.; Chapman, Kevin T.
CS Dep. Mol. Design Diversity, Merck Res. Lab., Rahway, NJ, 07065, USA
SO Tetrahedron Letters (**1995**), 36(22), 3789-92
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier
DT Journal
LA English
CC 21-2 (General Organic Chemistry)
AB A procedure for the preparation of aryl ethers on a solid support employing the Mitsunobu reaction is described. Either polymer bound phenols or benzyl alcs. react rapidly and cleanly with TMAD/Bu3P and the appropriate electrophile/nucleophile to provide the aryl ether in excellent yield and purity after cleavage from the solid support.
ST solid phase synthesis aryl ether; Mitsunobu reaction solid phase synthesis
IT Merrifield synthesis
Polymer-supported reagents
(solid phase synthesis of aryl ethers via the Mitsunobu reaction)
IT Etherification
(Mitsunobu, solid phase synthesis of aryl ethers via the Mitsunobu reaction)
IT Ethers, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(aryl, solid phase synthesis of aryl ethers via the Mitsunobu reaction)
IT 100-02-7, 4-Nitrophenol, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)
(attempted reaction; solid phase synthesis of aryl ethers via the Mitsunobu reaction)

IT 51-67-2, Tyramine 71-41-0, 1-Pentanol, reactions 79-08-3, Bromoacetic acid 90-43-7, o-Phenylphenol 95-48-7, o-Methylphenol, reactions 99-76-3, p-Methoxycarbonylphenol 103-82-2, Phenylacetic acid, reactions 106-41-2, p-Bromophenol 106-44-5, p-Methylphenol, reactions 107-06-2, EDC, reactions 108-95-2, Phenol, reactions 121-33-5 150-76-5, p-Methoxyphenol 501-97-3, 3-(4-Hydroxyphenyl)propionic acid 576-26-1, 2,6-Dimethylphenol 603-35-0, Triphenylphosphine, reactions 767-00-0, p-Cyanophenol 831-82-3, p-Phenoxyphenol 873-75-6, p-Bromobenzyl alcohol 998-40-3, Tributylphosphine 1972-28-7 2446-83-5 3006-96-0, 4-(Hydroxymethyl)benzoic acid 3360-41-6, 4-Phenylbutanol 6908-41-4, p-(Methoxycarbonyl)benzyl alcohol 10465-78-8, N,N,N',N'-Tetramethylazodicarboxamide 10465-81-3, 1,1'-(Azodicarbonyl)dipiperidine 158454-40-1, Tentagel SRAM Fmoc 162356-92-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(solid phase synthesis of aryl ethers via the Mitsunobu reaction)

IT 501-97-3DP, 3-(4-Hydroxyphenyl)propionic acid, TentaGel S RAM resin-bound 3006-96-0DP, 4-(Hydroxymethyl)benzoic acid, TentaGel S RAM resin-bound 158454-40-1DP, Tentagel SRAM, coupled products with 4-(hydroxymethyl)benzoic, 3-(4-hydroxyphenyl)propionic acid, and tyramine 169836-45-7DP, TentaGel S RAM resin-bound
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(solid phase synthesis of aryl ethers via the Mitsunobu reaction)

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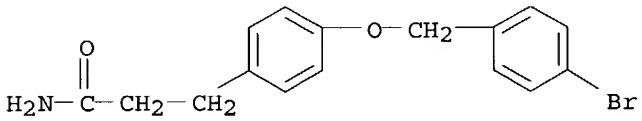
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid phase synthesis of aryl ethers via the Mitsunobu reaction)

IT **169836-37-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid phase synthesis of aryl ethers via the Mitsunobu reaction)

RN 169836-37-7 HCAPLUS
CN Benzenepropanamide, 4-[(4-bromophenyl)methoxy]- (9CI) (CA INDEX NAME)



L18 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1991:449059 HCAPLUS
DN 115:49059
ED Entered STN: 10 Aug 1991
TI Preparation of benzenealkanamines and analogs as monoamine oxidase inhibitors
IN Renaut, Patrice; Bellamy, Francois; Boucher, Thierry
PA Fournier Innovation et Synergie, Fr.
SO Fr. Demande, 86 pp.
CODEN: FRXXBL
DT Patent
LA French
IC ICM A61K031-085
ICS A61K031-165; C07C043-174; C07C093-00; C07C043-00

CC 25-4 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | FR 2645019 | A1 | 19901005 | FR 1989-4139 | 19890330 <-- |
| | WO 9011997 | A2 | 19901018 | WO 1990-FR209 | 19900328 <-- |
| | WO 9011997 | A3 | 19901115 | | |
| | W: CA, JP, US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE | | | | |
| | EP 477184 | A1 | 19920401 | EP 1990-906244 | 19900328 <-- |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE | | | | |
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| | WO 1990-FR209 | | 19900328 <-- | | |

OS MARPAT 115:49059

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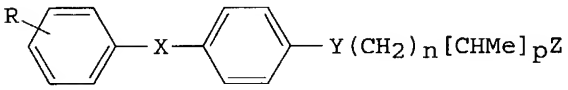


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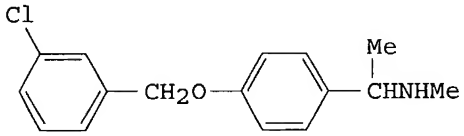


II

AB The title compds. I [R = halo, alkoxy, cyano, NO2; X = (CH2)uO; u = 1 or 2; Y = bond, O, CONH, etc.; n = 0-4; p = 0 or 1; Z = OR3, NR1R2; a proviso is given; R3 = H, alkyl, COZ1; Z1 = alkyl; R1, R2 = H, alkyl, (CH2)vCH2OH; v = 1-3; NR1R2 = heterocyclyl moiety which may contain a second heteroatom] were prepared A mixture of N-[1-[4-(3-chlorobenzyloxy)phenyl]ethyl]formamide and LiAlH4 in ether was refluxed for 1 h to give, after workup and treatment with maleic acid, amine II maleate, which in vitro exhibited IC50 of 7 .times. 10-5 mol against monoamine oxidase A.

ST benzenealkanamine prepn monoamine oxidase inhibitor

IT Antidepressants
Nervous system agents
(benzenealkanamines and analogs)

IT 9001-66-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(inhibitors of, benzenealkanamines as)

IT 39742-53-5P 59067-44-6P 79615-76-2P 84403-77-0P 124933-30-8P
134561-34-5P 134561-35-6P 134561-36-7P 134561-37-8P 134561-38-9P
134561-39-0P 134561-40-3P 134561-41-4P 134561-42-5P 134561-43-6P
134561-44-7P 134561-45-8P 134561-46-9P 134561-47-0P 134561-48-1P
**134561-49-2P** 134561-50-5P 134561-51-6P 134561-52-7P
134561-53-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of monoamine oxidase inhibitor)

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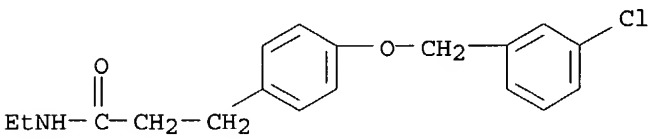
134685-65-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as monoamine oxidase inhibitor)

IT 57-57-8, .beta.-Propiolactone 99-76-3, Methyl 4-hydroxybenzoate 99-93-4, 4-Acetylphenol 104-83-6, 4-Chlorobenzyl chloride 107-15-3, 1,2-Ethanediamine, reactions 123-31-9, Hydroquinone, reactions 352-11-4, 4-Fluorobenzyl chloride 456-42-8, 3-Fluorobenzyl chloride 501-94-0 501-97-3 506-59-2, Dimethylamine hydrochloride 611-19-8, 2-Chlorobenzyl chloride 619-23-8, 3-Nitrobenzyl chloride 620-20-2, 3-Chlorobenzyl chloride 623-05-2 705-29-3, 3-(Trifluoromethyl)benzyl chloride 824-98-6 2002-24-6 3282-30-2 3303-84-2 5182-44-5 5471-51-2 6091-44-7, Piperidine hydrochloride 10024-89-2, Morpholine hydrochloride 10210-17-0 57181-88-1 59067-43-5 64407-07-4 66265-99-4 86223-05-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in preparation of monoamine oxidase inhibitor)

IT **134561-49-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of monoamine oxidase inhibitor)

RN 134561-49-2 HCAPLUS
CN Benzenepropanamide, 4-[(3-chlorophenyl)methoxy]-N-ethyl- (9CI) (CA INDEX NAME)

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CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d bib abs fhitstr hitrn l26

L26  ANSWER 1 OF 1  USPATFULL on STN
AN     2004:45102  USPATFULL
TI     3-Phenyl-propionamido, 3-phenyl-acrylamido and 3-phenyl-propynamido
       derivatives
IN     Jolidon, Synese, Blauen, SWITZERLAND
       Rodriguez Sarmiento, Rosa Maria, Basel, SWITZERLAND
```

**Thomas, Andrew William**, Birsfelden, SWITZERLAND
**Wostl, Wolfgang**, Grenzach-Wyhlen, GERMANY, FEDERAL REPUBLIC OF
**Wyler, Rene**, Zuerich, SWITZERLAND

PI US 2004034096 A1 20040219
AI US 2003-613785 A1 20030703 (10)
PRAI EP 2002-15583 20020715
DT Utility
FS APPLICATION
LREP HOFFMANN-LA ROCHE INC., PATENT LAW DEPARTMENT, 340 KINGSLAND STREET, NUTLEY, NJ, 07110
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 939

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to 3-phenyl-propionamido, 3-phenyl-acrylamido and 3-phenyl-propynamido derivatives, for example, deriviatives of the formula ##STR1##

wherein A is selected from ##STR2##

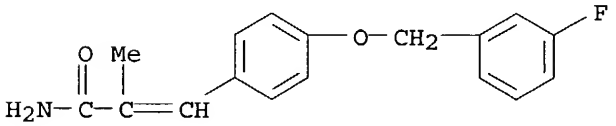
R.sup.1, R.sup.3, R.sup.4, R.sup.5, R.sup.6, R.sup.7, R.sup.21, R.sup.22, R.sup.23, R.sup.24, and n are as defined herein or pharmaceutically acceptable salts thereof. The invention also relates to processes for preparation of such compounds, compositions containing them, and the use of such derivatives as MAO-B inhibitors. The invention further relates to methods for treating or preventing Alzheimer's disease and senile dementia by administering compounds of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **649740-29-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylacrylamide
(preparation of cinnamide derivs. useful as MAO-B inhibitors)

RN 649740-29-4 USPATFULL

CN 2-Propenamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]-2-methyl- (9CI) (CA INDEX NAME)




IT **649740-29-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylacrylamide **649740-33-0P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2,N-dimethylacrylamide **649740-53-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]but-2-enoic acid methylamide
(preparation of cinnamide derivs. useful as MAO-B inhibitors)

IT **649740-34-1P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylpropionamide **649740-35-2P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-2,N-dimethylpropionamide **649740-36-3P**, 3-[4-(3-Fluorobenzyloxy)phenyl]propynoic acid amide **649740-40-9P**, 1-[4-(3-Fluorobenzyloxy)phenyl]propynoic acid methylamide **649740-42-1P**, 3-[4-(3-Fluorobenzyloxy)phenyl]-N-methylacrylamide **649740-45-4P**, 3-[4-(3-Fluorobenzyloxy)phenyl]acrylamide **649740-46-5P**, N-Methyl-3-[4-(4-trifluoromethylbenzyloxy)phenyl]acrylamide **649740-49-8P**, 3-[4-(4-Fluorobenzyloxy)phenyl]-N-methylacrylamide **649740-50-1P**, 3-[4-(3-Cyanobenzyloxy)phenyl]-N-methylacrylamide **649740-51-2P**, N-Methyl-3-[4-(4-

methylbenzyloxy)phenyl]acrylamide **649740-52-3P**,
3-[4-(3-Methoxybenzyloxy)phenyl]-N-methylacrylamide **649740-55-6P**
, 3-[4-(3-Fluorobenzyloxy)phenyl]-N-methylbutyramide
(preparation of cinnamide derivs. useful as MAO-B inhibitors)

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=> b beilstein
FILE 'BEILSTEIN' ENTERED AT 09:24:48 ON 22 JUL 2004
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FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON JUNE 15, 2004

FILE COVERS 1771 TO 2003.
*** FILE CONTAINS  8,997,153 SUBSTANCES ***

>>> PLEASE NOTE: Reaction data and substance data are stored in
    separate documents and can not be searched together in one
    query.
    Reaction data for BEILSTEIN compounds may be displayed
    immediately with the display codes PRE (preparations) and REA
    (reactions). A substance answer set retrieved after the search
    for a chemical name, a molecular formula or a structure search
    for example can be restricted to compounds with available
    reaction information by concatenation with PRE/FA, REA/FA or
    more general with RX/FA. The BEILSTEIN Registry Number (BRN)
    is the link between a BEILSTEIN compound and belonging reactions.
    For more detailed reaction searches BRNs can be selected from
    substance answer sets and searched in the next step as reaction
    partner BRNs - Reactant (RX.RBRN) or Product BRN (RX.PBRN).
    After a search for reaction details substance documents
    associated with reactants or products may be retrieved by
    searching RX.PBRNs or RX.RBRNs as BRNs. <<<


>>> FOR SEARCHING PREPARATIONS SEE HELP PRE  <<<

*********************************************************************
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.                *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE   *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE          *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.                        *
* FOR PRICE INFORMATION SEE HELP COST                                *
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L1              STR
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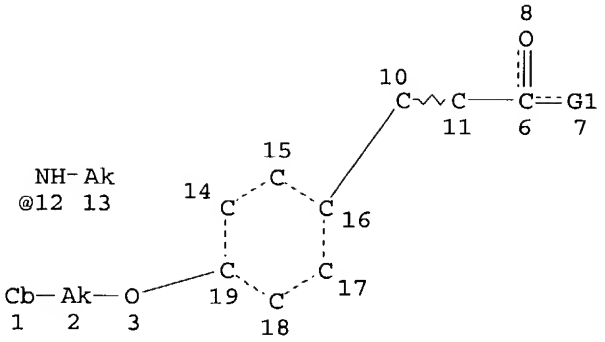


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GGCAT IS MCY UNS AT 1
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT 1

GRAPH ATTRIBUTES:
RSPEC 16
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
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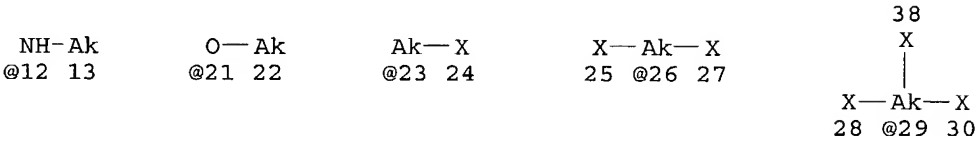


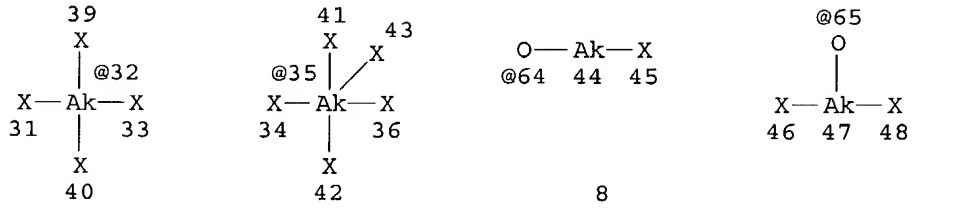


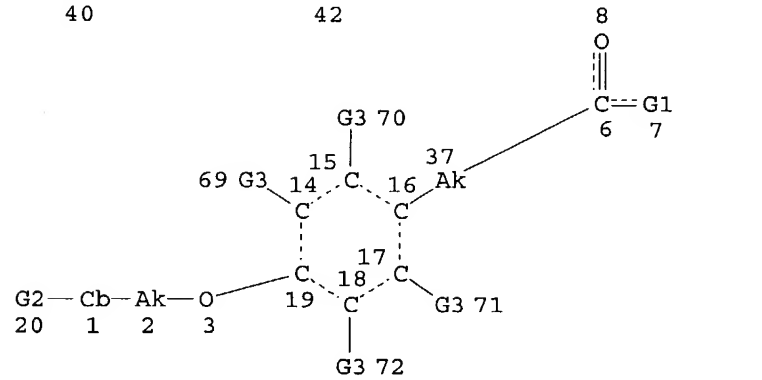


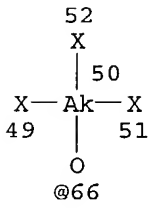

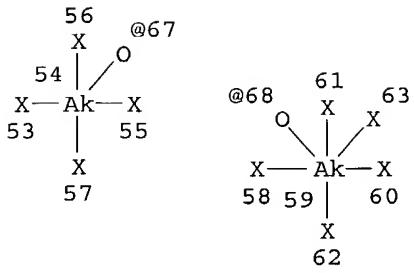


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VAR G3=H/X
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CONNECT IS M1 RC AT 50
CONNECT IS M1 RC AT 54
CONNECT IS M1 RC AT 59
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 1
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT 1

GRAPH ATTRIBUTES:
RSPEC 16
NUMBER OF NODES IS 67

STEREO ATTRIBUTES: NONE
L29 1982 SEA FILE=BEILSTEIN SSS FUL L1
L30 1 SEA FILE=BEILSTEIN SUB=L29 CSS FUL L3

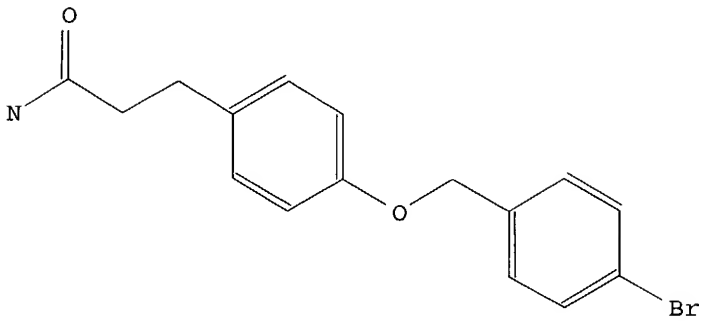
100.0% PROCESSED 1982 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.07

=> d all l30

L30 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

| | |
|---|---|
| Beilstein Records (BRN): | 7214090 |
| Chemical Name (CN): | 3-<4-(4-bromo-benzyloxy)-phenyl>-propionamide |
| Autonom Name (AUN): | 3-<4-(4-bromo-benzyloxy)-phenyl>-propionamide |
| Molec. Formula (MF): | C16 H16 Br N O2 |
| Molecular Weight (MW): | 334.21 |
| Lawson Number (LN): | 11704, 5229 |
| Compound Type (CTYPE): | isocyclic |

Constitution ID (CONSID): 6200846
Tautomer ID (TAUTID): 6846268
Beilstein Citation (BSO): 6-10
Entry Date (DED): 1995/10/31
Update Date (DUPD): 1996/08/09




Field Availability:

| Code | Name | Occurrence |
|---|---|---|
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| CN | Chemical Name | 1 |
| AUN | Autonomname | 1 |
| MF | Molecular Formula | 1 |
| FW | Formular Weight | 1 |
| LN | Lawson Number | 2 |
| CTYPE | Compound Type | 1 |
| CONSID | Constitution ID | 1 |
| TAUTID | Tautomer ID | 1 |
| BSO | Beilstein Citation | 1 |
| ED | Entry Date | 1 |
| UPD | Update Date | 1 |

This substance also occurs in Reaction Documents:

| Code | Name | Occurrence |
|---|---|---|
| RX | Reaction Documents | 1 |
| RXPRO | Substance is Reaction Product | 1 |

Reaction:
RX
Reaction ID (.ID): 4160261
Reactant BRN (.RBRN): 2209841, 1931620
Reactant (.RCT): 3-(4-hydroxy-phenyl)-propionic acid, 4-bromo-benzyl alcohol
Product BRN (.PBRN): 7214090
Product (.PRO): 3-<4-(4-bromo-benzyloxy)-phenyl>-propionamide
No. of React. Details (.NVAR): 1

Reaction Details:

RX

Reaction RID (.RID): 4160261.1
Reaction Classification (.CL): Preparation
Reagent (.RGT): 1.) Rapp TentaGel S RAM Fmoc resin, 20percent piperidine, 2.) N,N,N',N'-tetramethylazodicarboxamide, Bu3P, 3.) 90percent TFA
Other Conditions (.COND): 1.) DMF, EDC, 2 h, 2.) THF, CH2Cl2, room temp., 45-60 min, 3.) H2O
Note(s) (.COM): Yield given. Multistep reaction
Reference(s):
1. Rano, Thomas A.; Chapman, Kevin T., Tetrahedron Lett., CODEN: TELEAY, 36(22), <1995>, 3789-3792; BABS-5952354

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FILE 'REGISTRY' ENTERED AT 10:06:29 ON 22 JUL 2004
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STRUCTURE FILE UPDATES:   21 JUL 2004  HIGHEST RN 714195-59-2
DICTIONARY FILE UPDATES:  21 JUL 2004  HIGHEST RN 714195-59-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

  Please note that search-term pricing does apply when
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Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
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http://www.cas.org/ONLINE/DBSS/registryss.html

=> d ide can l5 tot

L5   ANSWER 1 OF 18  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   649740-55-6  REGISTRY
CN   Benzenepropanamide, 4-[(3-fluorophenyl)methoxy]-N,.beta.-dimethyl- (9CI)
     (CA INDEX NAME)
OTHER NAMES:
CN   3-[4-(3-Fluorobenzyloxy)phenyl]-N-methylbutyramide
FS   3D CONCORD
MF   C18 H20 F N O2
SR   CA
LC   STN Files:   CA, CAPLUS, USPATFULL
DT.CA  CAplus document type:  Patent
RL.P   Roles from patents:  BIOL (Biological study); PREP (Preparation); USES
       (Uses)
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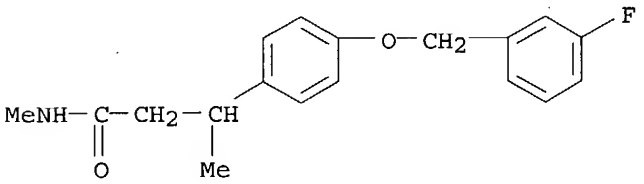


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               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  140:128156

L5   ANSWER 2 OF 18  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   649740-53-4  REGISTRY
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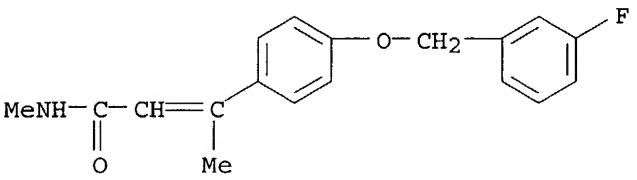
CN 2-Butenamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]-N-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]but-2-enoic acid methylamide
FS 3D CONCORD
MF C18 H18 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)



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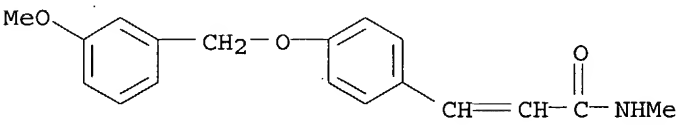
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 3 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-52-3 REGISTRY
CN 2-Propenamide, 3-[4-[(3-methoxyphenyl)methoxy]phenyl]-N-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Methoxybenzyloxy)phenyl]-N-methylacrylamide
FS 3D CONCORD
MF C18 H19 N O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 4 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-51-2 REGISTRY

CN 2-Propenamide, N-methyl-3-[4-[(4-methylphenyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN N-Methyl-3-[4-(4-methylbenzyloxy)phenyl]acrylamide
FS 3D CONCORD
MF C18 H19 N O2
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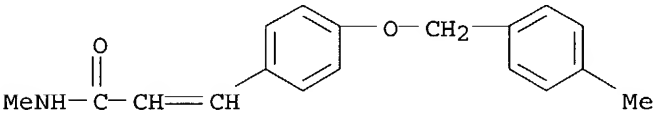
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 5 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-50-1 REGISTRY
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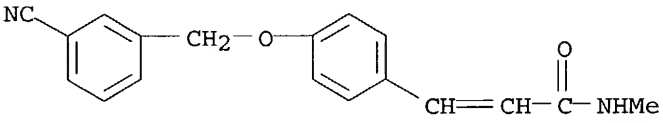
OTHER NAMES:
CN 3-[4-(3-Cyanobenzyloxy)phenyl]-N-methylacrylamide
FS 3D CONCORD
MF C18 H16 N2 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 6 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-49-8 REGISTRY
CN 2-Propenamide, 3-[4-[(4-fluorophenyl)methoxy]phenyl]-N-methyl- (9CI) (CA INDEX NAME)

OTHER NAMES:
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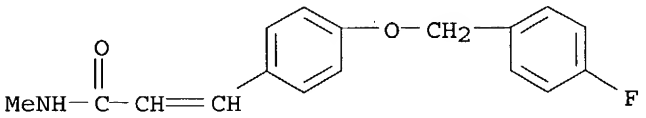
FS 3D CONCORD
MF C17 H16 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 7 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-46-5 REGISTRY
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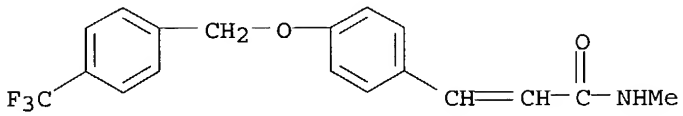
OTHER NAMES:
CN N-Methyl-3-[4-(4-trifluoromethylbenzyloxy)phenyl]acrylamide
FS 3D CONCORD
MF C18 H16 F3 N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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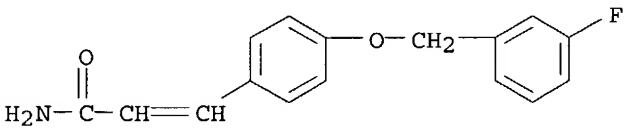
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 8 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-45-4 REGISTRY
CN 2-Propenamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]acrylamide

FS 3D CONCORD
MF C16 H14 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

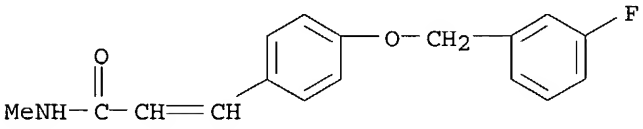


**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 9 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-42-1 REGISTRY
CN 2-Propenamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]-N-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]-N-methylacrylamide
FS 3D CONCORD
MF C17 H16 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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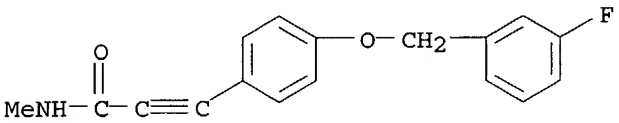
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 10 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-40-9 REGISTRY
CN 2-Propynamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]-N-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-[4-(3-Fluorobenzyloxy)phenyl]propynoic acid methylamide

FS 3D CONCORD
MF C17 H14 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

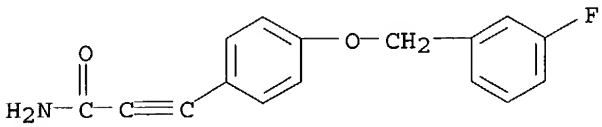


**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 11 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-36-3 REGISTRY
CN 2-Propynamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]propynoic acid amide
FS 3D CONCORD
MF C16 H12 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



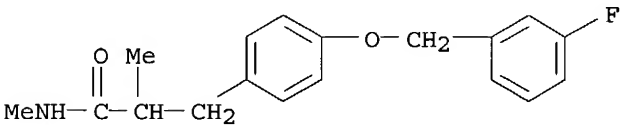
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 12 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-35-2 REGISTRY
CN Benzenepropanamide, 4-[(3-fluorophenyl)methoxy]-N,.alpha.-dimethyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]-2,N-dimethylpropionamide
FS 3D CONCORD

MF C18 H20 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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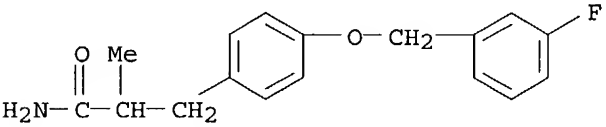
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 13 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-34-1 REGISTRY
CN Benzenepropanamide, 4-[(3-fluorophenyl)methoxy]-.alpha.-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylpropionamide
FS 3D CONCORD
MF C17 H18 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



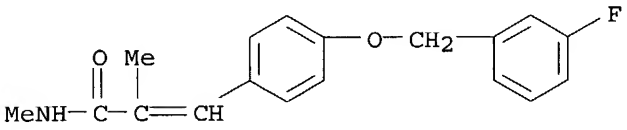
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 14 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-33-0 REGISTRY
CN 2-Propenamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]-N,2-dimethyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]-2,N-dimethylacrylamide
FS 3D CONCORD

MF C18 H18 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

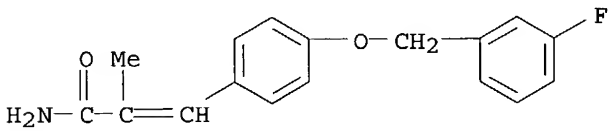


**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

L5 ANSWER 15 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 649740-29-4 REGISTRY
CN 2-Propenamide, 3-[4-[(3-fluorophenyl)methoxy]phenyl]-2-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-[4-(3-Fluorobenzyloxy)phenyl]-2-methylacrylamide
FS 3D CONCORD
MF C17 H16 F N O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)



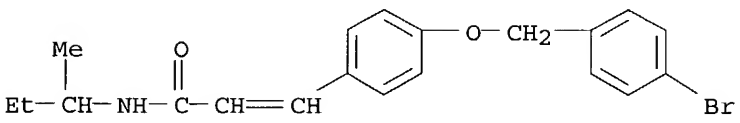
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:128156

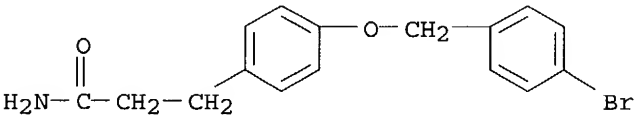
L5 ANSWER 16 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 477889-05-7 REGISTRY
CN 2-Propenamide, 3-[4-[(4-bromophenyl)methoxy]phenyl]-N-(1-methylpropyl)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H22 Br N O2
SR Chemical Library

LC STN Files: CHEMCATS



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L5 ANSWER 17 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 169836-37-7 REGISTRY
CN Benzenepropanamide, 4-[(4-bromophenyl)methoxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H16 Br N O2
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

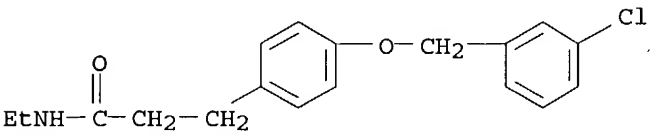


**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 123:313105

L5 ANSWER 18 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN
RN 134561-49-2 REGISTRY
CN Benzenepropanamide, 4-[(3-chlorophenyl)methoxy]-N-ethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H20 Cl N O2
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



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1 REFERENCES IN FILE CA (1907 TO DATE)
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REFERENCE 1: 115:49059

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